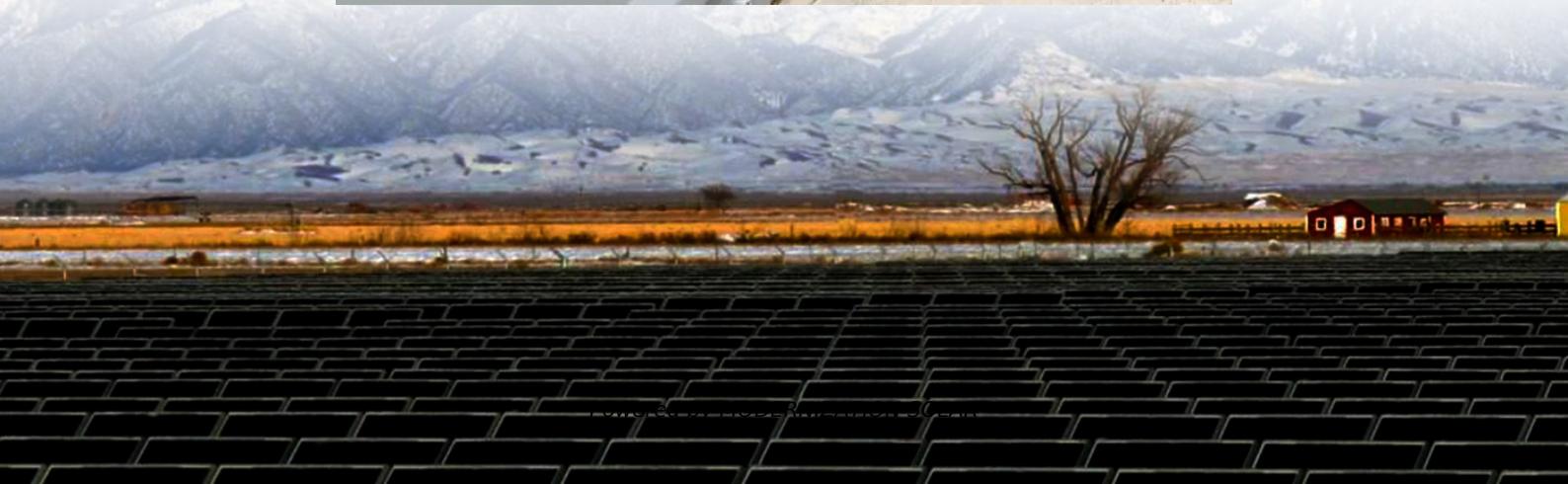




MODERNIZATION SOLAR

Data Centers Use Large-Capacity Mobile Energy Storage Containers from Asia





Overview

Why are data centres growing in China?

The rise of artificial intelligence (AI) and other technologies has driven the “surging” growth of data centres in China, with associated increases in energy demand and emissions. There were 449 data centres in China at the end of 2023, the most in the Asia-Pacific region.

Why do data centres need power in Asia Pacific?

Driven by soaring demand for AI, cloud and advanced digital services, data centres across Asia Pacific are expanding rapidly – and so is their need for power. This is more than an energy challenge. It's a connectivity challenge. Grid infrastructure needs to evolve, expanding and adapting to manage fluctuating demand and diverse energy sources.

How many data centres are there in China?

There were 449 data centres in China at the end of 2023, the most in the Asia-Pacific region. The International Energy Agency (IEA) says in a new report that China accounted for 25% of global data-centre electricity consumption in 2024, the second largest consumer following the US.

What is the future of data center energy storage?

The data center energy storage landscape is rapidly evolving, shaped by shifting priorities, emerging technologies, and growing AI demands. Industry professionals cite power availability, cybersecurity and data privacy, sustainability, cooling, and AI as the biggest challenges of the next decade.



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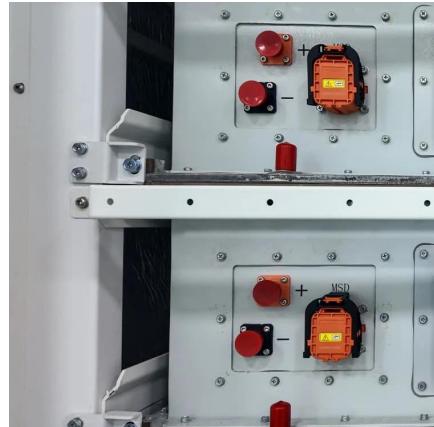
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